PATENT
Attorney Docket No. 536-009.025

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: :

G. FISCHER   : Intl. Application No.: **PCT/EP2004/011482**

Serial No.: **To be assigned**   : Intl. Filing Date: **October 07, 2004**

Filed: **Herewith**   : Priority Date: **October 09, 2003**

For: ***Ultra-wide band communication system for extremely high transfer rates***

Commissioner for Patents
Mail Stop PCT, ATTENTION: EO/US
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR §1.56.

While this Information Disclosure Statement (IDS) may be "material" pursuant to 37 CFR §1.56(b), it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service on this date, <u>April 04, 2006</u>, in an envelope marked as "Express Mail - Post Office to Addressee," Mailing Label No. <u>EV711308397US</u>, addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Annemarie Maher

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Attorney Docket No. 536-009.025

In accordance with 37 CFR §1.97(g), the filing of this IDS shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR §1.56(a) exists.

Enclosed is a Form PTO-1449 citing relevant references disclosed in the International Search Report and in the Written Opinion issued in an international counterpart application (both of which documents were prepared in German language), as well as copies of the references cited (except for the US references).

This IDS is being submitted simultaneously with the application for entry into the US national phase in this matter; therefore, the undersigned respectfully submits that no fee is due for filing this IDS. If any fee is due, the Commissioner is hereby authorized to charge to deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,

Dated: <u>April 04, 2006</u>

James A. Retter
Attorney for the Applicant
Registration No. 41,266

WARE, FRESSOLA, VAN DER SLUYS
 & ADOLPHSON LLP
Bradford Green, Building Five
755 Main Street, P.O. Box 224
Monroe, Connecticut 06468
Telephone: (203) 261-1234
Facsimile: (203) 261-5676
USPTO Customer No. 004955

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO. 536-009.025	SERIAL NO. (PCT/EP2004/011482) To be assigned 10/574720
	APPLICANT: **G. FISCHER**	
	FILING DATE: Herewith	ART UNIT: To be assigned

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/L.W./		2004/0179582	Sept. 16, 2004	*Suzuki*			
/L.W./		5,677,927	Oct. 14, 1997	*Fullerton et al.*			
/L.W./		5,687,169	Nov. 11, 1997	*Fullerton*			
/L.W./		6,571,089	May 27, 2003	*Richards et al.*			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
/L.W./		WO 96/41432	Dec. 19, 1996	PCT/WIPO			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

/L.W./	1	H. Shalaby, "Optical OPPM-CDMA receivers with chip-level detectors," *IEE Proc.-Commun.*, vol. 148, no. 1, February 2001, pp. 31-37.
/L.W./	2	R. Wilson & R. Scholtz, "Comparison of CDMA and modulation schemes for UWB radio in a multipath environment," *IEEE, Globecom* 2003, pp. 754-758.
/L.W./	3	J. Ney da Silva & M. de Campos, "Performance comparison of binary and quaternary UWB modulation schemes," *IEEE, Globecom* 2003, pp. 789-793.
/L.W./	4	S. Zeisberg, C. Müller & J. Siemes, "Performance limits of ultra-wideband basic modulation principles," *IEEE*, November 25-29, 2001, San Antonio, Texas, pp. 816-820.
/L.W./	5	M. Win & R. Scholtz, "Ultra-wide bandwidth time-hopping spread-spectrum impulse radio for wireless multiple-access communications," *IEEE Transactions on Communications*, vol. 48, no. 4, April 2000, pp. 679-691.
/L.W./	6	H. Park & J. Barry, "Modulation analysis for wireless infrared communications," *IEEE*, June 18-22, 1995, Seattle, Washington, pp. 1182-1186.
/L.W./	7	Y. Souilmi & R. Knopp, "On the achievable rates of ultra-wideband PPM with non-coherent detection in multipath environments," *IEEE*, May 2003, pp. 3530-3534.

Examiner (To be assigned)	Date:

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO. 536-009.025	SERIAL NO. (PCT/EP2004/011482) To be assigned **10/574720**
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

/L.W./	8	G. Durisi & S. Benedetto, "Performance evaluation and comparison of different modulation schemes for UWB multiaccess systems," *IEEE*, May 2003, pp. 2187-2191.
/L.W./	9	Time Domain Corporation, "PulsON technology overview," July 2001, 13 pages.

Examiner (To be assigned) /Linda Wong/	Date: 12/14/2009